AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method to release ~~, by means of a Path_Tear Message,~~ a Label Switched Path ~~(LSP)~~ established between linked routers ~~(A, B, C, D, E)~~ of a telecommunication network via a Path_Tear Message, the method comprising:

linking said routers ~~being linked~~ in cascade according to a main path ~~Main Path~~; ~~(AB, BC, CD, DE) and being further~~ ;

~~linked~~ linking said routers in another order according to at least one ~~Detour Path~~ detour path ~~(ac, ce, bd)~~; and

releasing at least some of the linked routers via said Path_Tear Message,

wherein ~~characterized in that~~ said Path_Tear Message comprises information and ~~includes~~ a tag indicating, to the router receiving said Path_Tear Message, whether said Path_Tear Message should be ~~immediately~~ forwarded towards a downstream-located router without waiting for a predetermined timeout period.

2. (currently amended): The release method according to claim 1, wherein ~~characterized in that~~ said Path_Tear Message is received, in the receiving router, via ~~a~~ said detour path ~~Detour Path (ac, ce, bd)~~ linking an upstream-located router to said receiving router.

3. (currently amended): The release method according to claim 1, wherein ~~characterized in that~~ said tag further indicates through which of said ~~Main Path (AB, BC, CD,~~

~~DE)~~ main path or said ~~Detour Path (ae, ce, bd)~~ detour path or both, starting from the receiving router, said Path_Tear Message should be ~~immediately~~ forwarded towards said downstream-located router.

4. (currently amended): The release method according to claim 1, ~~characterized in that, for said router receiving said Path_Tear Message, said release method further comprises a step of~~ wherein said releasing comprises releasing ~~all~~ the Label Switched Paths ~~(LSP)~~ arriving at ~~this~~ a receiving router from upstream-located routers via said ~~Main Path~~ main path ~~(AB, BC, CD, DE)~~ and via said detour path ~~Detour Path (ae, ce, bd)~~ linking said upstream-located routers and said receiving router.

5. (currently amended): ~~The release method according to claim 1,~~ A method to release a Label Switched Path established between linked routers of a telecommunication network via a Path_Tear Message, the method comprising:

linking said routers in cascade according to a main path;

linking said routers in another order according to at least one detour path; and

relating at least some of the linked routers via said Path_Tear Message,

wherein said Path_Tear Message comprises a tag indicating ~~characterized in that said tag further indicates~~ which of Label Switched Paths ~~(LSPs)~~ to release and wherein said releasing comprises ~~, and in that, for the router receiving said Path_Tear Message, said release method comprises a step of~~ releasing ~~immediately~~ each Label Switched Path indicated by said tag.

6. (currently amended): The release method according to claim 5, wherein ~~characterized in that~~ said tag is a Sender Template ~~whereof can be derived the Label Switched Paths to release~~.

7. (currently amended): A telecommunication network comprising:

~~with~~ a plurality of routers; and

a plurality of links ~~(A, B, C, D, E) interconnected~~ interconnecting the plurality of routers, where ~~via links through which~~ Label Switched Paths ~~(LSP)~~ are established using said plurality of links,

wherein said routers ~~being~~ are linked in cascade according to a main path ~~Main Path (AB, BC, CD, DE)~~ and ~~being further~~ are linked in another order according to at least one detour path ~~Detour Path (ae, ec; bd)~~,

~~and~~ wherein said routers ~~being adapted to~~ transmit a Path_Tear Message towards downstream-located routers, said Path_Tear Message indicating that a Label Switched Path ~~(LSP)~~ has to be released,

~~characterized in that~~ wherein the router transmitting said Path_Tear Message adds to said Path-Tear Message information and ~~is adapted to include in said Path_Tear Message~~ a tag indicating, to the router receiving said Path_Tear Message, whether said Path_Tear Message should be ~~immediately~~ forwarded towards a downstream-located router without waiting a predetermined timeout period,

wherein ~~and in that~~ the receiving router ~~is adapted to detect~~ detects said tag in said received Path_Tear Message, ~~to release~~ releases each Label Switched Path indicated by said tag,

and, according to said tag, ~~to forward~~ forwards ~~immediately~~ said Path_Tear Message towards said downstream-located router without waiting the predetermined period of time.

8. (currently amended): The telecommunication network according to claim 7, ~~characterized in that~~ wherein said tag further indicates through which path said Path_Tear Message should be forwarded downstream, and ~~in that,~~ wherein, according to said tag, said receiving router ~~is further adapted to forward~~ forwards ~~immediately~~ said Path_Tear Message towards said downstream-located router through said Main Path ~~(AB, BC, CD, DE)~~ or through said Detour Path ~~(ae, ec, bd)~~ or through both without waiting the predetermined period of time.

9. (currently amended): The telecommunication network according to claim 7, ~~characterized in that~~ wherein said receiving router is adapted to release ~~all~~ the Label Switched Paths ~~(LSPs)~~ arriving at said receiving router from upstream-located routers via said ~~Main Path~~ main path ~~(AB, BC, CD, DE)~~ and via said detour path ~~Detour Path (ae, ec, bd)~~ linking said upstream-located routers and said receiving router.

10. (currently amended): The telecommunication network according to claim 7, wherein ~~characterized in that~~ said tag further indicates which Label Switched Paths (LSPs) is to be released, and wherein ~~in that~~ said receiving router ~~is adapted to release~~ releases ~~immediately~~ each Label Switched Path indicated by said tag without waiting for the predetermined period of time.

11. (currently amended): The telecommunication network according to claim 7, ~~characterized in that~~ wherein said receiving router ~~is further adapted to transmit~~transmits, towards an upstream-located router, a Reserved_Tear Message including a said tag,

~~in that~~ wherein said upstream-located router ~~is adapted to transmit~~ transmits said Reserved_Tear Message towards a downstream-located router, and

~~and in that~~ wherein said downstream-located router ~~is adapted to~~ immediately ~~generate~~ generates a Path_Tear Message including said tag, and ~~to immediately forward~~ forwards said Path_Tear Message towards another downstream-located router without waiting for the predetermined period of time.

12. (currently amended): The telecommunication network according to claim 7, ~~characterized in that~~ wherein both said ~~Main Path (AB, BC, CD, DE)~~ main path and at least one ~~Detour Path (ae, ec, bd)~~ detour path arrive at said receiving router.

13. (currently amended): The telecommunication network according to claim 7, ~~characterized in that~~ wherein said telecommunication network is a Multi-Protocol Label Switching ~~[MPLS]~~ telecommunication network.

14. (currently amended): The telecommunication network comprising:

~~with a~~ the plurality of routers; ~~(A, B, C, D, E)~~

a plurality of links ~~interconnected~~ interconnecting said plurality of routers, where ~~via links through which~~ Label Switched Paths ~~(LSP)~~ are established using said plurality of links,

wherein said routers ~~being~~ are linked in cascade according to the ~~a Main Path (AB, BC, CD, DE)~~ main path and ~~being further~~ are linked in another order according to at least one ~~Detour Path (ac, ce; bd)~~ said detour path,

~~and~~ wherein said routers ~~being adapted to~~ transmit ~~a~~ the Path_Tear Message towards downstream-located routers, said Path_Tear Message indicating that a Label Switched Path ~~(LSP)~~ has to be released,

~~characterized in that~~ wherein the router transmitting said Path_Tear Message adds said tag and said information to ~~is adapted to include in~~ said Path_Tear Message, the tag ~~a tag~~ indicating, to the router receiving said Path_Tear Message, whether said Path_Tear Message should be ~~immediately~~ forwarded towards a downstream-located router without waiting for the predetermined timeout period,

~~and~~ wherein ~~in that~~ the receiving router ~~is adapted to detect~~ detects said tag in said received Path_Tear Message, ~~to release~~ releases each Label Switched Path indicated by said tag, and, according to said tag, ~~to forward~~ forwards ~~immediately~~ said Path_Tear Message towards said downstream-located router, and

wherein ~~characterized in that~~ said routers ~~are adapted to~~ operate according to the release method ~~as~~ mentioned in claim 1.

15. (new): The release method according to claim 1, wherein said releasing comprises releasing without waiting for the predetermined timeout period, each Label Switched Path indicated by said tag.

16. (new): A system for releasing a Label Switched Path established between linked routers of a telecommunication network via a Path_Tear Message, the system comprising:

a plurality of routers;

a plurality of links linking said routers to form a main path and linking said routers in another order to form at least one detour path;

a release module which releases at least some of the linked routers via said Path_Tear Message,

wherein said Path_Tear Message comprises information and a tag indicating to the router receiving said Path_Tear Message, whether said Path_Tear Message should be forwarded towards a downstream-located router without waiting for a predetermined timeout period.

17. (new): The system according to claim 16, wherein the tag further indicates which of Label Switched Paths to release and wherein the releasing module releases each LSP indicated in the tag without waiting for the predetermined timeout period.

18. (new): The release method according to claim 1, wherein the tag indicates which paths out of the main path and the detour path and wherein the Path_Tear Message is received only via one of the main path and the detour path and is forwarded downstream without waiting for the predetermined timeout period.

19. (new): The release method according to claim 1, wherein a receiving router is linked to other routers via the main path and via the detour path and wherein, when the receiving router receives the Path_Tear Message via only one of the main path and the detour path, the

receiving router forwards the received Path_Tear Message downstream without waiting the predetermined timeout period.